

## Tungsten / Titanium Carbide WC/TiC

### Application

Tungsten/Titanium Carbides are used as additives for P-type cutting tools and cermets because of the beneficial effect on hot hardness and oxidation resistance. The products are homogenous mixed crystals with high purity and narrow particle size distribution.

### Chemical Characteristics

Elements	WC/TiC 50/50	WC/TiC 70/30
	%	%
Ct	12.5 – 13.0	9.7 – 10.2
Ti	39.5 – 41.0	24.0 – 25.5
W	46.0 – 47.5	64.2 – 66.0

### All Grades

Elements	%	Elements	%
Al	0.005 max	O for "coarse"	0.25 max
C free	0.30 max	O for "standard"	0.35 max
Ca	0.01 max	O for "fine"	0.50 max
Fe	0.03 max		
N	0.10 max		
S	0.01 max		
Si	0.01 max		

### Physical Characteristics

Grade	FSSS µm
fine	1.0 – 1.5
standard	1.5 – 2.0
coarse	2.0 – 3.0



### Packing

- 50 kg in 25 l coated steel drums with rubber sealing
- Material in PE- Bag

### Maximum Lot Size fine/standard

- 2.000 kg

### Maximum Lot Size coarse

- 2.000 kg

Inspection certificate according  
DIN EN 10204 3.1